

(a) comprises at least five consecutive amino acid residues of a claudin CAR sequence having the formula:

Trp-Lys/Arg-Aaa-Baa-Ser/Ala-Tyr/Phe-Caa-Gly (SEQ ID NO:1)

wherein Aaa, Baa and Caa indicate independently selected amino acid residues; Lys/Arg is an amino acid that is lysine or arginine; Ser/Ala is an amino acid that is serine or alanine; and Tyr/Phe is an amino acid that is tyrosine or phenylalanine, wherein Aaa is not glycine when Lys/Arg is arginine and Baa is aspartic acid; and

(b) contains no more than 50 consecutive amino acid residues present within the claudin.

3. (Amended) A cell adhesion modulating agent that:

(a) comprises at least seven consecutive amino acid residues of a claudin CAR sequence having the formula:

Trp-Lys/Arg-Aaa-Baa-Ser/Ala-Tyr/Phe-Caa-Gly (SEQ ID NO:1)

wherein Aaa, Baa and Caa indicate independently selected amino acid residues; Lys/Arg is an amino acid that is lysine or arginine; Ser/Ala is an amino acid that is serine or alanine; and Tyr/Phe is an amino acid that is tyrosine or phenylalanine, wherein Aaa is not glycine when Lys/Arg is arginine and Baa is aspartic acid; and

(b) contains no more than 50 consecutive amino acid residues present within the claudin.

4. (Amended) A cell adhesion modulating agent that:

(a) comprises at least eight consecutive amino acid residues of a claudin CAR sequence having the formula:

Trp-Lys/Arg-Aaa-Baa-Ser/Ala-Tyr/Phe-Caa-Gly (SEQ ID NO:1)

wherein Aaa, Baa and Caa indicate independently selected amino acid residues; Lys/Arg is an amino acid that is lysine or arginine; Ser/Ala is an amino acid that is serine or alanine; and Tyr/Phe is an amino acid that is tyrosine or phenylalanine; and

(b) contains no more than 50 consecutive amino acid residues present within the claudin.

5. (Amended) A modulating agent according to any one of claims 2-4, wherein the agent is a peptide ranging in size from 3 to 50 amino acid residues.

6. (Amended) A modulating agent according to any one of claims 2 [1]-4, wherein the agent is a peptide ranging in size from [4] 5 to 16 amino acid residues.

7. (Amended) A modulating agent according to any one of claims 2 [1]-4, wherein the CAR sequence is present within a cyclic peptide.

27. (Amended) A modulating agent according to any one of claims 2 [1]-4 [or 24-26] linked to a drug.

28. (Amended) A modulating agent according to any one of claims 2 [1]-4 [or 24-26] linked to a detectable marker.

29. (Amended) A modulating agent according to any one of claims 2 [1]-4 [or 24-26] linked to a targeting agent.

30. (Amended) A modulating agent according to any one of claims 2 [1]-4 [or 24-26] linked to a support material.

33. (Amended) A cell adhesion modulating agent according to any one of claims 2 [1]-4 [or 24-26], further comprising one or more of:

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(a) a cell adhesion recognition sequence that is bound by an adhesion molecule other than a claudin, wherein the cell adhesion recognition sequence is separated from any claudin CAR sequence(s) by a linker; and/or

(b) an antibody or antigen-binding fragment thereof that specifically binds to a cell adhesion recognition sequence bound by an adhesion molecule other than a claudin.

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35. (Amended) A pharmaceutical composition comprising a cell adhesion modulating agent according to any one of claims 2 [1]-4 [or 24-26], in combination with a pharmaceutically acceptable carrier.

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40. (Amended) A modulating agent according to any one of claims 2 [1]-4, wherein the agent comprises one or more claudin-1 CAR sequences selected from the group consisting of: IYSY (SEQ ID NO:2), IYSYA (SEQ ID NO:27), IYSYAG (SEQ ID NO:28), KIYSY (SEQ ID NO:29), KIYSYA (SEQ ID NO:30), KIYSYAG (SEQ ID NO:31), WKIYSY (SEQ ID NO:32), WKIYSYA (SEQ ID NO:33) and WKIYSYAG (SEQ ID NO:34).

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46. (Amended) A modulating agent according to any one of claims 2 [1]-4, wherein the agent comprises one or more claudin-2 CAR sequences selected from the group consisting of: TSSY (SEQ ID NO:3), TSSYV (SEQ ID NO:35), TSSYVG (SEQ ID NO:36), RTSSY (SEQ ID NO:37), RTSSYV (SEQ ID NO:38), RTSSYVG (SEQ ID NO:39), WRTSSY (SEQ ID NO:40), WRTSSYV (SEQ ID NO:41) and WRTSSYVG (SEQ ID NO:42).

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52. (Amended) A modulating agent according to any one of claims 2 [1]-4, wherein the agent comprises one or more CPE-R CAR sequences selected from the group consisting of: VTAF (SEQ ID NO:4), VTAFI (SEQ ID NO:43), VTAFIG (SEQ ID NO:44), RVTAf (SEQ ID NO:45), RVTAfI (SEQ ID NO:46), RVTAfIG (SEQ ID NO:47), WRVTAF (SEQ ID NO:48), WRVTAFI (SEQ ID NO:49) and WRVTAFIG (SEQ ID NO:50).

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58. (Amended) A modulating agent according to any one of claims 2 [1]-4, wherein the agent comprises one or more RVP-1 CAR sequences selected from the group